UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/674,173	10/27/2000	Martin John Ellis	36-1397	3039

7590 11/18/2004

Nixon & Vanderhye
1100 North Glebe Road 8th Floor
Arlington, VA 22201-4714

EXAMINER
EL HADY, NABIL M

ART UNIT	PAPER NUMBER
2154	

DATE MAILED: 11/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)	
Office Action Summary	09/674,173	ELLIS ET AL.	
	Examiner	Art Unit	
	Nabil M El-Hady	2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 July 2004*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-7 and 12-15* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☐ Claim(s) *1-7 and 12-15* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☒ All   b)☐ Some * c)☐ None of:

   1.☒ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage

      application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date *7/19/2004*.
4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____ .

1.   Claims 1-7 and 12-15 are pending in this application.

2.   The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3.   Claims 1-7 and 12-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Hellemans et al., TINA Service Architecture: From Specification to Implementation, hereafter "Hellemans".

4.   As per claim 1 , Hellemans discloses the invention as claimed including a telecommunications service session control system comprising at least one server and in use interacting with software objects derived from an object-oriented application programming interface, said object-oriented application programming interface(e.g. page 183, col. 2, lines 9-14) comprising : a first framework object class for deriving service specific object classes to be instantiated on a client machine during participation in a service session (e.g. page 176, col. 1 , lines 17-20), a second framework object class for deriving service specific object classes to be instantiated on a server during a service session, said second class representing said service session (e.g. page 176, col. 2, lines 1-4), and a third framework object class for deriving service specific object classes to be instantiated on a server during participation in a service session, said third class representing said participation (e.g. page 176, col. 1, lines 6-14).

5.   As per claim 2, the claim is rejected for the same reasons as claim 1 above. In addition, Hellemans discloses a data store holding an object-oriented application programming interface (inherent in the introduction and the conclusion) for use in developing multi-party services to be

implemented on a telecommunications service session control system, said object-oriented

application programming interface comprising: a first framework object class for deriving service

specific object classes to be instantiated on a client machine during participation in a service

session (e.g. page 176, col. 1 , lines 17-20), a second framework object class for deriving

service specific object classes to be instantiated on a server during a service session, said

second class representing said service session (e.g. page 176, col. 2, lines 1-4), and a third

framework object class for deriving service specific object classes to be instantiated on a server

during participation in a service session, said third class representing said participation (e.g.

page 176, col. 1, lines 6-14).

6.   As per claims 3 and 12, Hellemans discloses said second class comprising methods

intended to be overridden in said service specific object classes, said methods being for

receiving calls from said system indicating changes in participant status during a service

session (e.g. page 175, Figure 2. The C++ methods for receiving calls all can be overridden).

7.   As per claims 4 and 13, Hellemans discloses said third class comprising methods

intended to be overridden in said service specific object classes, said methods being responsive

to messages from said system indicating changes in participant status during a service session

(e.g. page 175, Figure 2. Dynamic C++ implementation class contains methods and they are

overridden as part of the systems' implementation).

8.   As per claims 5 and 14, Hellemans discloses said second class comprises a method for

identifying characteristics of a plurality of service specific objects derived from said third class

and instantiated during a sew ice session (e.g. page 181, section 5.3).

9.   As per claims 6 and 15, Hellemans discloses said third class comprises a method for

identifying characteristics of a plurality of service specific objects derived from said third class

and instantiated during a service session (e.g. page 181, section 5.3).

10.   As per claim 7, Hellemans discloses a server comprising a data store, the server being

arranged to transmit the application programming interface on request (e.g. page 181, col. 1,

lines 1-8).

11.   Applicant's arguments filed 7/19/2004 have been fully considered but they are not

persuasive. Therefore the rejection of claims 1-7 is maintained.

12.   In the remarks, applicants argued in substance that (1), Hellemans fails to disclose an

object-oriented application programming interface, (2), there is no teaching or suggestion of a

data store, (3) Fig. 2 fails to disclose or even suggest features of claim 3 or 4, (4) sec. 5.3 on

page 181 fails to disclose or suggest features of claims 5 or 6. Examiner respectfully traverses

applicants' remarks.

13.   As to points (1)-(4), applicant should submit an argument under the heading "Remarks"

pointing out disagreements with the examiner's contentions. Applicant must also discuss the

references applied against the claims, explaining how the claims avoid the references or

distinguish from them.

14.   As to point (1), the object-oriented application programming is clearly disclosed by

Hellemans(e.g. page 183, col. 2, lines 9-14). As to point (2), the data store is inherent in the

disclosure to store such applications (see Hellemans's introduction and the conclusion). As to

point (3), features of claims 3 and 4 regarding overridden methods are part of dynamic object-

oriented implementation classes. As to point (4), page 181, sec. 5.3 identifies characteristics of

a plurality of service specific objects instantiated during a service session.

15.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as

set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date
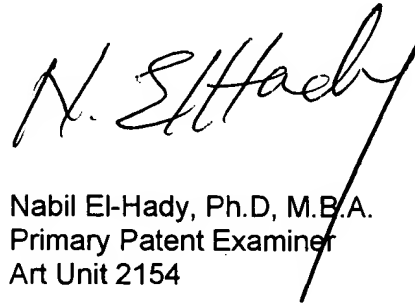
of this final action.

16.   Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Nabil M El-Hady whose telephone number is (571) 272-3963. The

examiner can normally be reached on 9:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published applications
may be obtained from either Private PAIR or Public PAIR. Status information for unpublished
applications is available through Private PAIR only. For more information about the PAIR
system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private
PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 15, 2004

Nabil El-Hady, Ph.D, M.B.A.
Primary Patent Examiner
Art Unit 2154